

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: SSPTACKH1617

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS IPC8 For general information regarding STN implementation of IPC 8
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 08:51:26 ON 28 FEB 2007

=> file capplus biosis embase scisearch medline

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'CAPLUS' ENTERED AT 08:52:32 ON 28 FEB 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE 'BIOSIS' ENTERED AT 08:52:32 ON 28 FEB 2007
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FILE 'EMBASE' ENTERED AT 08:52:32 ON 28 FEB 2007
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FILE 'SCISEARCH' ENTERED AT 08:52:32 ON 28 FEB 2007
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FILE 'MEDLINE' ENTERED AT 08:52:32 ON 28 FEB 2007

=> s (docosahexaenoic with acid) or DHA
L1 36220 (DOCOSAHEXAENOIC WITH ACID) OR DHA

=> s (linoleic with acid) or (linolenic with acid)
L2 69593 (LINOLEIC WITH ACID) OR (LINOLENIC WITH ACID)

=> s (linoleic with acid) and (alpha with linolenic with acid)
L3 3137 (LINOLEIC WITH ACID) AND (ALPHA WITH LINOLENIC WITH ACID)

=> S L1 AND L3
L4 1058 L1 AND L3

=> s 14 and ((brain with function) or (visual with identification) or (recognition with faculty) or (learning) or (memory))
L5 26 L4 AND ((BRAIN WITH FUNCTION) OR (VISUAL WITH IDENTIFICATION)
OR (RECOGNITION WITH FACULTY) OR (LEARNING) OR (MEMORY))

```
=> duplicate remove L5
DUPLICATE PREFERENCE IS 'CAPLUS, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L5
L6          23 DUPLICATE REMOVE L5 (3 DUPLICATES
ANSWERS '1-16' FROM FILE CAPLUS
ANSWERS '17-23' FROM FILE BIOSIS
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=> d ibib abs 1-23

L6 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1

SOURCE: ST-DENIS, 75475 PARIS CEDEX 10, FRANCE
Journal of Nutrition, (1989) Vol. 119, No. 12, pp.
1880-1892.
CODEN: JONUAI. ISSN: 0022-3166.

DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 24 Apr 1990
Last Updated on STN: 25 Apr 1990

AB Feeding rats diets containing oils that have a low α -linolenic acid [18:3(n-3)] content, such as sunflower oil, results in reduced amounts of docosahexaenoic acid [22:6(n-3)] and increased amounts of docosapentaenoic acid [22:5(n-6)] in all brain cells and organelles compared to rats fed a diet containing soybean oil or rapeseed oil. During the period of cerebral development there is a linear relationship between the n-3 fatty acid content of the brain and that of food until α -linolenic acid represents .apprx. 200 mg/100 g food [0.4% of the total dietary energy for 18:3(n-3)]. Beyond that point brain levels reach a plateau. Similar values are also found for other organs. The level of 22:6(n-3) in membranes is little affected by the dietary quantity of linoleic acid [18:2(n-6)] if 18:3(n-3) represents .apprx. 0.4% of energy. In membranes from rats fed diets containing sunflower oil, Na⁺, K⁺-ATPase activity in nerve terminals was 60%, 5'-nucleotidase in whole brain homogenate was 80%, and 2',3'-cyclic nucleotide 3'-phosphodiesterase was 88% of that in membranes from rats fed diets containing soybean oil. A diet low in α -linolenic acid leads to anomalies in the electroretinogram, which partially disappear with age. It has little effect on motor activity, but it seriously affects learning tasks as measured with the shuttle box test. Rats fed a diet low in α -linolenic acid showed an earlier mortality in response to an intraperitoneal injection of a neurotoxin, triethyltin, than did rats fed a normal soybean oil diet.

=> d his

(FILE 'HOME' ENTERED AT 08:51:26 ON 28 FEB 2007)

FILE 'CAPLUS, BIOSIS, EMBASE, SCISEARCH, MEDLINE' ENTERED AT 08:52:32 ON
28 FEB 2007

L1 36220 S (DOCOSAHEXAENOIC WITH ACID) OR DHA
L2 69593 S (LINOLEIC WITH ACID) OR (LINOLENIC WITH ACID)
L3 3137 S (LINOLEIC WITH ACID) AND (ALPHA WITH LINOLENIC WITH ACID)
L4 1058 S L1 AND L3
L5 26 S L4 AND ((BRAIN WITH FUNCTION) OR (VISUAL WITH IDENTIFICATION)
L6 23 DUPLICATE REMOVE L5 (3 DUPLICATES REMOVED)

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	111.12	111.54